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Department of Environmental Protection

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Reducing Food Waste A How to Guide for Businesses and Institutions Updated December 2012

Why prevent Food Waste?

- **Improve your bottom line** through cost savings from improved purchasing and preparation practices and reduced waste disposal fees.
 - o Food waste losses account for \$30-\$40 billion annually within the commercial and institutional sector, according to the U.S. EPA. (1)
- **Support** your community by using leftover food to feed people in need.
- Reduce your environmental footprint and greenhouse gas emissions.
 - According to the U.S. EPA, food waste accounted for 14% or 35 million tons of total municipal solid waste in 2010.
- **Get recognized** for your achievements with food reduction and recovery programs.
- Access free technical assistance setting up your program and undertaking food recovery with <u>RecyclingWorks in Massachusetts</u>.

How to prevent food waste - Steps your business or institution can take:

1. Reduce!

- *Order or produce less* By modifying your ordering/purchasing both quantities and timing you can greatly reduce the amount of surplus food. Simply, buy only what you will use.
 - One of the best ways to determine what can be modified is by conducting an organics waste audit. This will help establish a baseline measure of the amount of food you throw away.
 - EPA provides a template for a food waste tracking log: http://www.epa.gov/epawaste/conserve/materials/organics/pubs/food-waste-log.pdf
- **Proper Storage and Preparation** Continually review production and handling practices to make sure food is being handled and stored in the best possible way.

(1) EPA: Putting Surplus Food to Good Waste

http://www.epa.gov/epawaste/conserve/materials/organics/pubs/food-guide.pdf

- o For example, by reviewing your menus and what you offer to employees at meetings or in the cafeteria, you can determine if certain items account for excessive preparation waste.
- *Cook as you go* Batch cooking is a great way to help reduce waste in the kitchen, especially in large cafeterias or corporate dining facilities where food is made to order.
- *Use every last bit* By using as much as possible of your cooking product, you are not only helping to reduce waste, you are also providing different food options.
 - For example, consider all secondary uses for excess food leftover bread can become croutons, excess rice can become fried rice, and brown bananas can be used for banana bread.
 - o Try this website for some ideas: http://www.delish.com/recipes/cooking-recipes/ideas-for-common-leftovers-recipes
- **Go Trayless** Studies show that diners provided with trays tend to take additional servings just because there is room left on their trays in the lunch room. Switching to trayless service can greatly reduce food waste.
- *Invite a culture shift* By educating your employees about the benefits of food waste reduction through discussions and visibility, you can help usher in a culture shift in the workplace.

2. Redistribute/Donate!

- *Feed people in need* Donate extra food to local food banks, shelters and soup kitchens. There are many people in need that may be located right in your neighborhood.
 - o Many national organizations offer free bins and free pickup for surplus.
- **Feed animals** Divert food scraps to animal feed at a nearby farm. Many local farmers would be more than happy to cut down on their overhead costs and feed your food scraps to their animals.
- *Follow the pyramid* For food that cannot be reduced or donated, seek other alternatives to disposal such as composting or anaerobic digestion using EPA's food pyramid as a guide: http://www.epa.gov/epawaste/conserve/materials/organics/pubs/food-guide.pdf

How does the law protect businesses from liability?

• The "Bill Emerson Good Samaritan Food Donation Act" (<u>Public Law 104-210</u>) makes it easier for businesses to donate to food banks and food recovery programs. It protects donors from liability when donating to nonprofit organizations and protects donors from civil and criminal liability should the product donated in good faith later cause harm to the needy recipient.

Please see the end of this document for a partial list of donation locations in Massachusetts.

For a searchable directory of food pantries, please visit: www.findafoodpantry.org

Food Banks and Other Food Donation Options

Non-perishable and unspoiled perishable food can be donated to local food banks, soup kitchens, pantries, and shelters. Doing so helps to feed the hungry, prevents good, edible food from going to waste, as well as reduces the quantity of food waste that goes to landfills. Massachusetts has a number of such organizations such as food banks, soup kitchens, youth or senior centers, shelters and pantries willing to take donations.

Feeding People in need:

There are four regional food banks in Massachusetts providing hunger relief programs, where food is distributed to a network of member feeding programs (including soup kitchens, food pantries and homeless shelters). To find your regional food bank, visit America's Second Harvest.

Please note that many organizations may accept direct food donations, as well. To find a local organization in need:

Contact the FoodSource Hotline at 1-800-645-8333. <u>Project Bread/The Walk for Hunger</u> operates this service to provide up-to-date information about Massachusetts organizations in need of assistance.

The following list provides additional donation sites in specific towns:

• The Arlington Food Pantry

Church of our Savior, 21 Marathon Street, Arlington, MA 02476

http://www.town.arlington.ma.us/public documents/ArlingtonMA HServe/pantry/donations

Donations: Non-Perishable Food, Baby Food and Baby Care Items, Beverages & Condiments, Personal Care Items & Toiletries

• Beverly Bootstraps Food Pantry

371 Cabot Street, Beverly, MA 01915 Phone: 978-927-1561 Fax: 978-927-1553 Website: www.beverlybootstraps.org Donations: Food and Personal care items

• The Greater Boston Food Bank

70 South Bay Ave, Boston, MA 02118-2700 Phone: 617-427-5200; Fax: 617-427-0146

Website: www.gbfb.org

Donations: Prepared Foods, Fresh Produce, Back Pack, Salvage

• Boston Rescue Mission

39 Kingston Street, Boston, Massachusetts, 02112

Phone: 617-338-9000 (1209) Website: <u>info@brm.org</u>

Donations: Food, Toiletries, Clothing, Small Appliances

• Bourne Friends Food Pantry

6 Colonel Dr., Bourne, MA 02532

Phone: (508) 759-3351

P. O. Box 144, Buzzards Bay, MA 02532

Website: www.bournecouncilonaging.org/foodpantry.html

Donations: Food (Perishable & Non-perishable)

Braintree Community Food Pantry

594 Washington St Braintree, MA 02184

Phone: (781) 356-0161

Website: <u>braintreefoodpantry.org</u> Donations: Non-perishable food

• Charity Guild the Food Pantry

501 Main St Brockton, MA 02301

Phone: (508) 583-6680

Website: http://thecharityguild.org/foodpantry/ Donations: Perishable & Non-Perishable Food

• Burlington Community Food Pantry

10 Saint Marks Rd, Burlington, MA 01803

Phone: (781) 270-6625

P.O. Box 343 Burlington, MA 01803

Website: http://peoplehelpingpeopleinc.org/communityPantry donations.html
Donations: Non-Perishable Food, Beverages & Condiments, Personal Care Items &

Toiletries, Detergents & Cleaning Agents, Paper Towels & Toilet Papers

• Canton Helpline Food Pantry

960R Washington St., Canton, MA 02021

Phone: (781) 821-8062

Website: town.canton.ma.us/pantry/Default.htm

Donations: Non-perishable food, Personal care items, and Household products

• Dedham Food Pantry

600 Washington St., Dedham, MA 02027

Phone: 781-320-9442

P.O. Box 46

Website: www.dedhamfoodpantry.org

Donations: Non-perishable food and Personal care items

Loaves & Fishes Food Pantry

234 Barnum Rd., Devens, MA 01434

Phone: (978) 772-4627

Website: www.loavesfishespantry.org/cms/index.php?layout=main&cslot_1=2

Donations: Non-Perishable Food Items. Personal Care Items

• Easton Food Pantry

136 Elm St North Easton, MA 02356

Phone: (508) 230-0663

Website: www.easton.ma.us/Directory/food_pantry/foodneeds.htm

Donations: Non-Perishable Food Items, Toiletries, Pet Food (Dog & Cat), Reusable Tote

bags

Franklin Food Pantry

43 West Central Street, Franklin, MA 02038-0116

Phone: (508) 528-3115

P.O. Box 116

Website: franklinfoodpantry.org

Donations: Food (Non-perishable, fresh, frozen, spices & condiments), Personal care

products, Toiletries, Household cleaning items, Re-useable shopping bags

Acord Food Pantry

69 Willow St South Hamilton, MA 01982

Phone: (978) 468-7424

Website: http://acordfoodpantry.org/index.htm

Donations: Non-Perishable Food, Beverages & Condiments, Toiletries, Household paper and

cleaning products

The Food Bank of Western Massachusetts

97 North Hatfield Road, Hatfield, MA 01038 Phone: 413-247-9738; Fax: 413-247-9577

Website: www.foodbankwma.org Donations: Fresh Produce, Salvage

• Hingham Interfaith Food Pantry

685 Main Street, Hingham, MA 02043

Phone: (781) 740-8180

Donations: Food

• Wachusett Food Pantry

1216 Main St Holden, MA 01520

Phone: (508) 829-2749

P.O. Box 62, Jefferson, MA 01522-0062 Website: www.wfp1995.org/howtohelp.asp Donations: Non-perishable and unexpired food

Holliston Pantry Shelf

23 Water St., Holliston, MA 01746

Phone: (508) 429-5392

Website: hollistonpantryshelf.org
Donations: Food and Toiletries

Merrimack Valley Food Bank

735 Broadway Street Lowell, MA 01854 Phone: 978-454-7272; Fax: 978-454-1717

Website: <u>mvfb.org</u>

Donations: Food and Personal care items

Food Pantry of Merrimack Valley

70 Lawrence St., Lowell, MA 01852

Phone: (978) 454-9946

Website: http://www.ccab.org/lowell-food-pantry.html

Donations: Food

• The Open Pantry of Greater Lowell

200 Central Street, Lowell, MA 01852

Phone: (978) 453-6693 Website: theopenpantry.org

Marshfield Food Pantry

1981 Ocean Street, Marshfield, MA 02050

Phone: (781) 837-0359

P.O. Box 1097

Website: http://marshfieldfoodpantry.org/index.html

Donations: Non-Perishable Food, Pet Foods

Our Daily Bread Friends Caring & Sharing

15 West St Mansfield, MA 02048

Phone: (508) 339-1343

P.O. Box 322 Website:

http://www.occmansfield.org/Food%20Pantry_files/foodpantrysite/donations.html

Donations: Non-Perishable Food

• Maynard Food Pantry

12 Vose Hill Rd Maynard, MA 01754

Phone: (978) 897-8340

P.O. Box 55

Website: http://web.maynard.ma.us/civic/pantry/

Donations: Non-Perishable Food, Baby Food & Formula, Personal care Items & Toiletries,

Detergents & Papers

Medfield Food Cupboard

496 Main St Medfield, MA 02052

Phone: (508) 359-4958

Website: http://medfieldfoodcupboard.com/

Donations: Non-Perishable Food, Personal Care Items & Toiletries, Cleaning Products &

Detergents, Paper Towels, Toilet Paper, etc.

Daily Bread Food Pantry

21 Exchange Street, Milford, MA 01757

Phone: (508) 478-4225

Website: trinitychurchmilford.org/outreach.html

Donations: Food

Nantucket Emergency Food Pantry

20 Fair Street, Nantucket, MA 02554

Phone: (508) 228-7438

Website: www.nantucket-ma.gov, coffinrealestate.com/blog/?p=1556

Donations: Perishable & Non-perishable Food

Northborough Food Pantry

63 Main Street Northborough, MA 01532

Phone: (508) 393-6897

Website: http://nfpantry.org/nfp/

Donations: Perishable & Non-Perishable Food

• Haven from Hunger

71 Wallis St., Peabody, MA 01960

Phone: (978) 531-1530

Website: havenfromhunger.org

Donations: Food

• Roslindale Congregational Church RCC Food Pantry

25 Cummins Highway Roslindale, MA 02131 Phone: (617) 325-9755

Website: http://roscon.org/?page_id=9

Donations: Non-Perishable Food

Sandwich Food Pantry

331 Cotuit Road, Sandwich, MA 02563

Phone: (508) 888-3816

P.O. Box 1824

Website: sandwichfoodpantry.org

Donations: Non-perishable food, Toiletries, Laundry & Dish Detergent

Worcester County Food Bank, Inc.

474 Boston Turnpike, Shrewsbury, MA 01545 Phone: 508-842-3663; Fax: 508-842-7405

Website: www.foodbank.org

Donations: Prepared Foods, Production Kitchen, Fresh Produce, Salvage

Project Soup

15 Franklin St, Somerville, MA 02145

Phone: (617) 776-7687

P.O. Box 440436 Somerville, MA 02144

Website: http://somervillehomelesscoalition.org/programs/Project%20Soup.html

Donations: Non-Perishable Food, Baby Food, Personal Care Items & Toiletries, Household

Items, Paper Towels & Paper Products

Our Community Food Pantry

220 College Highway, Southwick, MA 01077

Phone: (413) 569-9876

Website: www.community-food-pantry.org/p/food-drives-and-where-to-donate.html

Donations: Perishable & Non-Perishable Food, Paper Towel & Toilet Paper

• Tewksbury Food Pantry

999 Whipple Road, Tewksbury, MA 01876

Phone: (978) 858-2273

Website: www.tewksburypantry.org

Donations: Non-perishable food, Personal care items, Toiletries, Detergent, Household cleaning items, Foils, Trash Bags, Storage bags & wares, Paper Plates and Plastic Ware

Island Food Pantry-Cu Meth

Church St & Williams, St Vineyard Haven, MA 02568

Phone: (508) 693-4764

P.O. Box 1874

Website: www.islandfoodpantry.org/index.htm

Donations: Non-Perishable & Canned Food

• Wakefield Interfaith Food Pantry

8 Lafayette St, Wakefield, MA 01880

Phone: (781) 245-2510

Website: www.wifoodpantry.org/index.html

Donations: Non-Perishable Food, Spices & Condiments, Beverages, Cleaning Products,

Personal Care Items

• Weymouth Food Pantry

1189 Commercial St., Weymouth, MA 02189

Phone : (781) 331-7682 **P.O. Box 890009**

Website: weymouthfoodpantry.org

Donations: Canned goods, pasta, rice, cereals, meat, milk, cheese, eggs, diapers and personal

products.

• Woburn Council of Social Concern

2 Merrimac St., Woburn, MA 01801-1606

Phone: (781) 935-6495

Website: www.socialconcern.org Donations: Non-perishable food

Food Donation Transport:

Some locations are willing to pick up donations or are even able to provide collection bins. If pick-up or drop-off is not possible, Food Drive for the Hungry: American Red Cross of Massachusetts Bay (ARCMB) has collaborated with Project Bread/Walk for Hunger to provide a program to transport food that has been donated.

Every day, Food Drive for the Hungry vans pick up and deliver surplus food from bakeries, food suppliers, farm stands and grocery stores, and deliver them to a network of more than 200 food pantries across the state. Please contact ARCMB at 617-375-0700 for more information.

Animal Feed Options:

Food discards can be recovered as animal feed. For this, farmers may provide storage containers and free or low-cost pick-up service. Appropriate excess food may also be provided to zoos for use as feed for select animals, based upon the determination of each zoo's animal feeding experts. There are also companies that convert food discards into commercial animal feed and pet food. Feeding waste food to livestock or having the food processed into animal feed is an excellent option for recycling food scraps that provides economic and environmental benefits.

Haulers:

• C. B. Trucking Medway, MA

Contact: Ph - (508) 533-7760 Region: C, E

Description: Provides residential pickup in Needham, but will pickup food waste from small to large generators of this waste. All food waste is brought to licensed pig farmers. Primarily serves Needham and Wellesley residents and businesses, and other nearby areas in Eastern Massachusetts.

• Troiano Trucking

Contact: Ph - (508) 839-1300 Region: All New England

Description: Picks up food bi-products to be made into animal feed including sugars, grains, cereals, cookies, crackers, and other organics in compactors and roll-offs from high volume generators. The organic waste is then brought to a DEP approved composting facility.

Processors:

Licensed food waste processors have obtained a permit from the Massachusetts Department of Food and Agriculture to collect food residuals, cook it, and feed it to their livestock. These farming institutions will pick-up or accept delivery of food waste, including meat products, to be cooked and fed to their livestock.

• Starretts Farm 18 Pleasant Street, Mendon, MA

Contact: Paul Starrett Phone: (508) 473-5622

Region: E, C

Description: Picks up food waste, including meat products. Generator must provide drums

for food waste collection.

Shaw's Pig Farm Nashua, NH

Contact: Chris Shaw Phone: (603) 878-3448

Region: NE, E

Description: Picks up food waste, including meat products. Generator must provide drums

for food waste collection.

Plante Brothers 110 Oak Street, Norton, MA

Contact: Brian Plante Phone: (508) 285-6821 Region: SE, C

Description: Picks up food waste, including meat products. Generator must provide drums

for food waste collection.

Industrial Uses:

Liquid fats and solid meat products can be used as raw materials in the rendering industry, which converts them into animal food, cosmetics, soap, and other products. Many companies will provide storage barrels and free pick-up service. Fats, oils, and grease (FOGS) are also now being collected in more and more areas around the country and being converted by a local manufacturer into environmentally friendly biodiesel fuel.

• Baker Commodities Inc.

134 Rear, Billerica Ave

Billerica, Massachusetts - 01862-0132

Phone: (978)454-8811 Fax: (978)654-7788

Website: http://www.bakercommodities.com/

Services in rendering, restaurant grease collection, jetting, and fat and bone collection. Recycled and <u>used cooking oil</u> into high-protein ingredients for poultry feed and pet food, tallow (a valuable ingredient in soaps, paints, cosmetics, and more), and also convert used cooking oil into "yellow grease," a key ingredient in biodiesel fuels.

• Martucci & Sons Inc.

126 Newmarket Square

Boston, MA

Phone: (617) 442-8905

Collector of Fryolator Oil, Fat & Bones

• American by Products Co Inc.

13 Andrew Street

Lvnn, MA

Phone: (781) 593-3580

Collectors of Fryolator Grease, Fats and Bones, Tallow Scheduled Pickups

• Great East Refining Co.

13 Andrew Street

Lvnn, MA

Phone: (781) 592-0251

A & K Waste Systems Inc.

126 Newmarket Sq

Roxbury, MA

Phone: (617) 442-6732

Removal and recycling used cooking oil into bio-diesel and removal and rendering of Fat, Bones, Fish waste, and all other types of Food Waste from Boston and surrounding areas.

• Morse Tallow Co.

66 Norfolk Avenue Roxbury, MA

Phone: (617) 445-0700

Animals and Marine Fats and Oils rendering

• Western Mass. Rendering Co. Inc

94 Foster Road

Southwick Mass.01077 Phone: (413) 569-6265 Fax: (413) 569-6512

Website: http://www.westernmassrendering.com/

Recycle fats, bones and spent frying grease to help create lubricants, animal feed, soap

products and bio-fuels rendering